



CAESAR Offshore



P O S C
Petrotechnical Open Software Corporation

POSC/CAESAR Project

Oil & Gas Facilities Data Model

Snapshot C/D

Volume 3
REFERENCE DATA LIBRARY

***SPECIFICATION
FOR
EXCHANGE, SHARING AND INTEGRATION
OF ELECTRONIC DATA FOR OIL AND GAS DEVELOPMENT***

January 1997

The information contained in this document is subject to change without notice.

POSC and or the CAESAR Offshore Project shall not be liable for errors contained herein or for incidental consequential damages in connection with furnishing or use of this material.

POSC and CAESAR Offshore grant permission to photocopy or otherwise reproduce this material for internal use only. This document may not be copied for sale or profit. Please provide appropriate acknowledgement on all reproduced material.

Unpublished - All rights reserved under the Copyright Laws of the United States. This notice shall be marked on any reproduction of this document, in whole or in print.

Copyright ©1996 Petrotechnical Open Software Corporation

POSC/CAESAR Document PCO-18, January 1997

Petrotechnical Open Software Corporation
10777 Westheimer, Suite 275
Houston, TX 77042
U.S.A.
Telephone: (713) 784-1880
Fax: (713) 784-9219

POSC (Europe) Ltd.
Status 4, Status Park
3 Nobel Drive
Hayes, Middlesex UB3 5EY
U.K.
Telephone: 44-181-607-5950
Fax: 44-181-759-0465

CAESAR Offshore Project
Post-box 490
1301 SANDVIKA
Norway
Telephone: 47-67-126600
Fax: 47-67-128699

Epicentre is a registered trademark of Petrotechnical Open Software Corporation.

Framemaker is a registered trademark of Frame Technology Corporation.

POSC and the POSC logo are registered trademarks of Petrotechnical Open Software Corporation.

PostScript is a registered trademark of Adobe Systems Inc.

All rights reserved. Printed in Norway.

CONTENTS

Page

1 REFERENCE DATA REPORT FORMAT	1
2 REFERENCE DATA REPORTS	2

1 Reference Data Report Format

Figure 1-1. illustrates how class definitions are reported using the Material Class 'SHELL' as an example. The report is parted into sections where each section lists one type of class association.

- 1) Report heading.
- 2) Name of Class - e.g. SHELL.
- 3) Label - a short term often used as name of the class within the offshore industry
- 4) A written definition of the class.
- 5) Lists all direct super classes i.e. one level up in the classification structure.
- 6) Lists all direct sub classes i.e. one level down in the classification structure.

1)	Material Class Report	
2)	SHELL	
3)	Label:	<none>
4)	Definition:	A hard outer covering.
5)	Super Classes:	ENCLOSURE
6)	Sub Classes:	VESSEL SHELL TANK SHELL HEAT EXCHANGER SHELL
7)	Normally Part of:	<none>
8)	Normal Parts:	<none>
9)	Normal Connection :	<none>
10)	Normal Characteristic :	MATERIAL THICKNESS SHELL

Figure 1-1

- 7) Lists classes normally having SHELL as a part (Normal Composition), in this example there is none.
- 8) Lists classes normally being a part of SHELL (Normal Composition).
- 9) Lists classes normally connected to SHELL.

- 10) Lists Normal Characteristics of SHELL. 'MATERIAL THICKNESS' is a direct characteristic of SHELL and not inherited (ref. right column).

2 Reference Data Reports

This section includes a total report of classes within the Reference Data Library. The subchapters contain a complete listing of the classes within the following entities :

- Facility Class,
- Material Class,
- Characteristic Class,
- Information Content Class,
- Activity Class,
- Normal Class Object Involvement,

The layout of the report is shown in Fig. 1-1.

Due to the amount of data the total classification structure (all super and sub classes) will not be displayed for each class instance. Only direct super classes one level up (Fig. 1-1 '5') and direct sub classes one level down (Fig. 1-1 '6') is displayed in these reports. This is a modification from the previous Snapshot B reports.

In order to trace the structure of the class library the user may utilise the hyper-link functionality in the Acrobat document, and follow the classification structure up and down.

It is also possible to use the Reference Data Browser application utility. The *Association Report* in this application will display the whole classification structure for each class instance.

The following reference data reports are available in the WORDA4 directory on the Snapshot C/D: CD-ROM:

- Reference Facility Classes
- Reference Material Classes
- Reference Characteristic Classes
- Reference Information Content Classes
- Reference Activity Classes
- Normal Involvement

Most word processors (including Word for Windows) can open and read RTF files.